

**MBNMS Research Activity Panel
Meeting Summary
January 11, 2013**

Host: James Lindholm – Nearshore Ecology (CSU Monterey Bay)

Location: Tanimura and Antle Family Memorial Library (Building 508, Rm 1176)
Divarty Street
California State University Monterey Bay
Seaside, CA

Date: Friday, January 11th, 2013; 10:00 am to 12:40 pm

Members:

	Discipline	Primary/ Alternate	Name	Institution
X	Research Coordinator		DeVogelaere, Andrew	Monterey Bay National Marine Sanctuary
	Biological Oceanography	primary	Kudela, Raphael	University of California, Santa Cruz
	Biological Oceanography	alternate	Chavez, Francisco	Monterey Bay Aquarium Research Institute
	Deep-Sea Ecology	primary	Cailliet, Greg	Moss Landing Marine Laboratories
X	Deep-Sea Ecology	alternate	Haddock, Steve	Monterey Bay Aquarium Research Institute
	Estuarine Ecology	primary	Wasson, Kerstin	Elkhorn Slough NERR and Foundation
	Estuarine Ecology	alternate	Lindley, Steve	NOAA Fisheries Service
X	Fisheries	primary	Grimes, Churchill	NOAA Fisheries Service
	Fisheries	alternate		
	Marine & Coastal Geology	primary	Storlazzi, Curt	United States Geological Survey
	Marine & Coastal Geology	alternate	Paull, Charles	Monterey Bay Aquarium Research Institute
X	Marine Conservation Biology	primary	Harrold, Chris*	Monterey Bay Aquarium
	Marine Conservation Biology	alternate	Micheli, Fiorenza	Hopkins Marine Station
X	Marine Policy	primary	Abeles, Adina	Center for Ocean Solutions
	Marine Policy	alternate	David, Aimee	Center for the Future of the Oceans, MBA
X	Nearshore Ecology	primary	Lindholm, James†	California State University Monterey Bay
	Nearshore Ecology	alternate	Carr, Mark	University of California, Santa Cruz
X	Physical Oceanography	primary	McPhee-Shaw, Erika	Moss Landing Marine Laboratories
X	Physical Oceanography	alternate	Ramp, Steve	Soliton Ocean Services, Inc.
	Shelf & Slope Ecology	primary		
	Shelf & Slope Ecology	alternate	Starr, Rick	California Sea Grant Extension Program
X	Social Sciences	primary	Pomeroy, Caroline	California Sea Grant Extension Program
	Social Sciences	alternate	Scorse, Jason	Monterey Institute of International Studies
X	Water Quality	primary	Hunt, John	University of California, Davis
	Water Quality	alternate	Epel, David	Hopkins Marine Station

*Sanctuary Advisory Council Member: Research (Primary)

†Sanctuary Advisory Council Member: Research (Alternate)

RAP Coordinator:

X	Burton, Erica	Monterey Bay National Marine Sanctuary
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GUESTS:

Aiken, Emily	California State University Monterey Bay
Bassett, Megan	California State University Monterey Bay
Boye, Lauren	California State University Monterey Bay
Cramer, Allison	California State University Monterey Bay
Downey, Bryon	California State University Monterey Bay
Essert, Chris	California State University Monterey Bay
Fredle, Molly	California State University Monterey Bay
Grimmer, Karen	Monterey Bay National Marine Sanctuary
Kline, Donna	California State University Monterey Bay
Knight, Ashley	California State University Monterey Bay
Loiacono, Stepen	California State University Monterey Bay
Lonhart, Steve	Monterey Bay National Marine Sanctuary
McCollough, Rhiannon	California State University Monterey Bay
Michel, Paul	Monterey Bay National Marine Sanctuary
Moye, Flower	California State University Monterey Bay
Reilly, Paul	California Department of Fish and Wildlife
Spross, Stephanie	California State University Monterey Bay
Warawa, Devon	California State University Monterey Bay

CONSENT ITEMS

Introductions/Modifications to the Agenda (Harrold)

HOST PRESENTATION AND DISCUSSION

Through a Glass Darkly: Baseline Characterization of California's MPA Network (Lindholm)

- Lindholm compared and discussed specificity of research question versus articulation of management need
- MLPA MPA Monitoring Plan working well because questions and management needs are clear
- Baseline characterization work in California MPAs includes
 - Imagery collection with ROVs
 - Approaches to designing transects and sampling units
 - Characterization of patch-scale habitat, microhabitats, and individual fishes and inverts
- Deliverables include
 - Identification of every animal possible over habitat
 - Stream of students over time makes this possible
 - Other projects beyond what California state needs
- Challenges
 - Permanent image archive, thinking of ways to accommodate and save for future
 - Use of imagery with camera and subjects, including
 - Dorsal view
 - Dorsal view from behind
 - Poor light
 - Distance
 - Resolution of taxonomic data (low to high) versus data collection methods (imagery to trawl catch)

- Outreach through imagery, including
 - SCID website (<http://sep.csumb.edu/ifame/scid/>)
 - YouTube videos
 - Facebook
 - Booklets

ECOSYSTEM-BASED MANAGEMENT

Sanctuary Ecologically Significant Areas (SESA) Update (Karen Grimmer/Resource Protection Coordinator/MBNMS)

- Grimmer provided brief recap of MBNMS SESA effort
- Three questions for RAP discussion:
 - Are draft SESAs appropriate as research areas?
 - Does RAP consider SESAs ecologically significant?
 - What research platforms should be used to survey SESAs?
- **ACTION**: Questions will be electronically sent to RAP for comments (DeVogelaere)

SANCTUARY ADVISORY COUNCIL UPDATE

October & December 2012 SAC Meetings (Harrold)

- Chris discussed agenda highlights of the two SAC meetings
- Santa Cruz Exploration Center a success
- Access Monterey Peninsula's (AMP) "Your Sanctuary" program has been broadcast in 50 cities, on YouTube, at public access TV conferences; work continues to broaden audience and to include all sanctuaries
- Proposed PG&E seismic survey: sanctuary raised concerns and weighed in, project denied by California Coastal Commission
- Dr. Lisa Balance (NMFS) presented studies of sound on marine mammals
- SAC working groups and their engagement with SAC
- Forage species: SAC passed resolution that articulated SAC's opinion; RAP's review of white paper and their discussion greatly impacted SAC's resolution
- MLPA: CDFG's scientific collection permits within MPAs will be affected
- MBNMS priorities discussed, MBNMS working to prioritize, SAC offered advice
- MBNMS staff presented Sanctuary Ecologically Significant Areas (SESA) update

PRESENTATION REQUESTED BY RAP

RAP Protocol to Review Issues Requested by SAC and other Working Groups (Harrold and DeVogelaere)

- Chris put the topic into context of recent review of Forage fish white paper
- Existing protocols with suggestions were reviewed, including
 1. The RAP will review issues and documents upon request from the SAC or MBNMS staff
 2. The RAP will focus their reviews on the research and science aspects of a topic
 3. In response to requests, the RAP may have experts on the panel willing to review topics, may know of colleagues willing and capable of providing reviews, or may provide a list of relevant literature on topic

4. The RAP is voluntary body, so, for extensive reviews, it may provide a list of capable people and consulting firms for the SAC or staff to arrange contracts with
 5. The RAP may also convey research requests to the SAC or staff through the RAP Chair
 6. MBNMS staff also benefit greatly from requests to individual RAP members on a variety of smaller scale issues
- **ACTION:** Strawman will be drafted for discussion and “voted” on at next meeting (Chair and DeVogelaere)

RAP MEMBERSHIP UPDATE

Roles & Responsibilities, and 3-yr term updates (Harrold and Burton)

- Many 3-year terms expired in November 2012 (n=14)
- Time to recruit and/or renew members
- Member attendance during last three years is about 50%
- According to RAP Policy, RAP Member responsibilities include:
 - Attend all meetings (member or alternate, primary member should attend at least 4 meetings per year)
 - Coordinate attendance between member and alternate and remain knowledgeable about current RAP issues in absence of meetings
- There are 12 disciplines represented by primary and alternate members
- Approximately 7.5 members attend each meeting, seems low
- Should we rethink membership; should we meet less; maybe no meetings are needed?
- **ACTIONS:**
 - All end-of-term RAP members will be asked if interested in renewing 3-year term (Burton)
 - Low attendance RAP members will be contacted, and asked if still interested and can improve attendance (DeVogelaere and Burton)
 - RAP meeting frequency of 6 months per year remains

Future Agenda Items (running list):

- Desalination update:
 - Update on fresh water supply, desal, waste water management
 - Competing Moss Landing desal proposals (CalAm, DeepWater, People’s)
 - Including Cambria
- MBNMS Updates:
 - Sanctuary Ecologically Significant Areas (SESA)
 - Integrated Ecosystem Assessment (IEA)
 - Natural Resources Assessment (NRA)
- Results of sand mining plant study (Scorse)
- Results of Pleasure Point Surf property value (Scorse)
- Trawling study report results (Lindholm; final due end Dec 2012)
- CeNCOOS update from Leslie Rosenfeld (Ramp)
- WQ monitoring web portals: Ocean Health for CA (Hunt; Fall 2012)

2013 RAP Meeting Schedule and Locations (to be determined)

Date	Host	Location
January 11	Lindholm	CSU Monterey Bay
March 8	Lindley	NOAA Fisheries Santa Cruz
May 10	Scorse	Monterey Institute of International Studies
July 12		
September 13		
November 8		